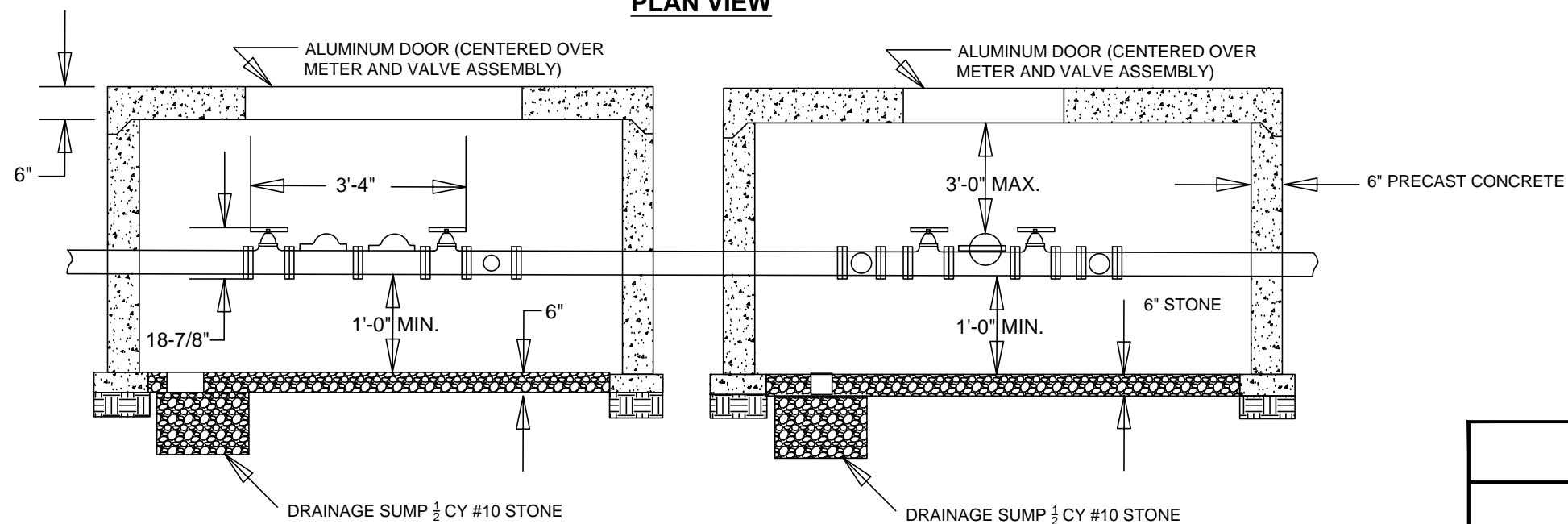


**PLAN VIEW**



**ELEVATION VIEW**

**NOTES:**

1. VAULTS FOR 3" LINES AND ABOVE SHALL BE SITE CONSTRUCTED OF THE MATERIALS AND TO THE DIMENSIONS SPECIFIED HEREIN.
2. VAULTS CONSTRUCTED WITHIN THE TRAVELED WAY MUST WITHSTAND HEAVY SUPERIMPOSED LOADS. EACH MUST BE DESIGNED TO MEET THE REQUIREMENTS OF THE INDIVIDUAL ENVIRONMENT IN WHICH IT IS TO BE USED. DETAILS/SHOP DRAWINGS AND DESIGN CALCULATIONS MUST BE SUBMITTED AND APPROVED PRIOR TO INSTALLATION OF THE METER.
3. VAULTS SHALL HAVE 72" X 60" ALUMINUM ACCESS DOOR BY HALLIDAY SERIES #W2C7260 OR APPROVED EQUAL. METER VAULT HATCH SHALL BE CENTERED OVER METER FOR EASE OF READING. METER SHALL BE NO MORE THAN 3'-0" BELOW GRADE FOR EASE OF READING.
4. THE BOX COVER SHALL BE FLUSH WITH THE SURROUNDING GROUND SURFACE AND SHALL HAVE 2" GUIDES ALONG ADJACENT SIDES TO PREVENT LATERAL MOVEMENT.
5. THE BOX SHALL BE CONSTRUCTED OF 6" PRECAST CONCRETE.
6. SIX (6") INCHES OF NO. 5 CRUSHED STONE SHALL BE PLACED IN THE BOTTOM OF THE VAULTS.
7. DUCTILE IRON MUST RUN COMPLETELY THROUGH VAULTS.
8. BACKFLOW PREVENTERS SHALL MEET CITY OF CAYCE STANDARDS. CONTRACTOR SHALL SUBMIT SHOP DRAWINGS TO THE ENGINEER FOR APPROVAL PRIOR TO CONSTRUCTION.
9. VAULTS SHALL BE SUPPLIED WITH AN ALUMINUM LADDER WITH EXTENSION TO BE O.S.H.A. APPROVED. LADDER TO HAVE CLEAR ACCESS FROM VAULT DOOR.
10. IN NON-TRAFFIC AREAS, ALL VAULT LIDS TO BE SIX (6") INCH CONCRETE WITH #4 AT SIX (6") INCH O.C. EACH WAY. TWO #4 DIAGONALLY PLACED, STEEL REBAR REQUIRED AROUND ALL OPENINGS.
11. METER AND BY-PASS ASSEMBLIES TO REST ON PIPE SUPPORTS, STANDON #S89 OR EQUAL.
12. FINISHED GRADE SHALL SLOPE AWAY FROM THE VAULT COVER TO PREVENT PONDING AROUND THE COVER. SLOPE INTERIOR TOWARD SUMP OR GRAVITY DRAIN OUTLET.
13. SEAL PIPE PENETRATIONS WITH NONSHRINK GROUT.
14. CONTACT CITY ENGINEER FOR AREAS WHERE FLOODING OR HIGH GROUND WATER EXIST FOR ADDITIONAL DRAINAGE DETAILS.
15. CHANGES MUST BE APPROVED BY THE CITY ENGINEER.

STANDARD DETAIL		
CITY OF CAYCE		
METER & BACKFLOW PREVENTER VAULTS FOR DOMESTIC LINE DETAIL		
APPROVED:	SCALE: NTS	# DW CAYCE-6